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WIRELESS COMMUNICATION APPARATUS, WIREL
COMMUNICATION SYSTEM ADOPTING THE SAME
AND COMMUNICATION METHOD THEREOF
Filed: July 27, 2001
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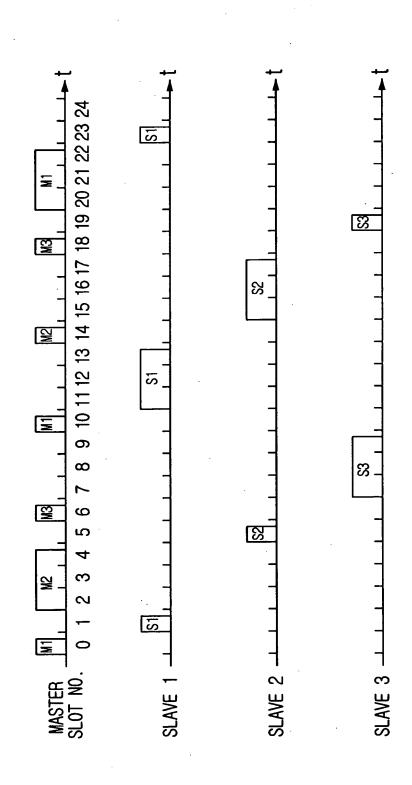
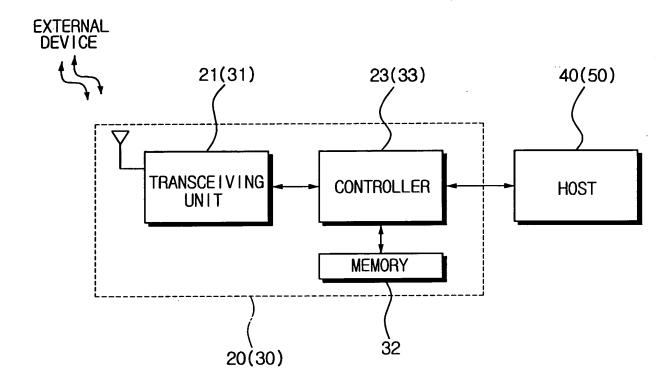


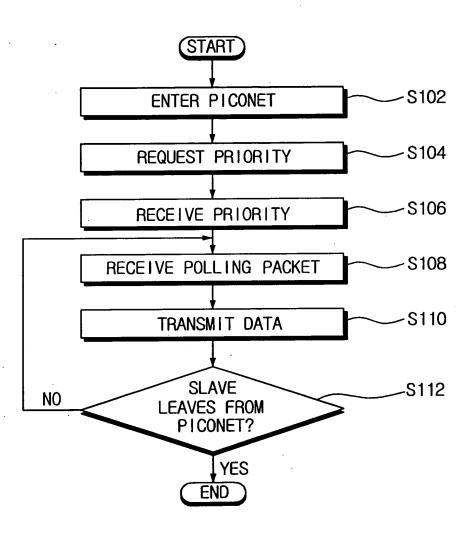
FIG.2

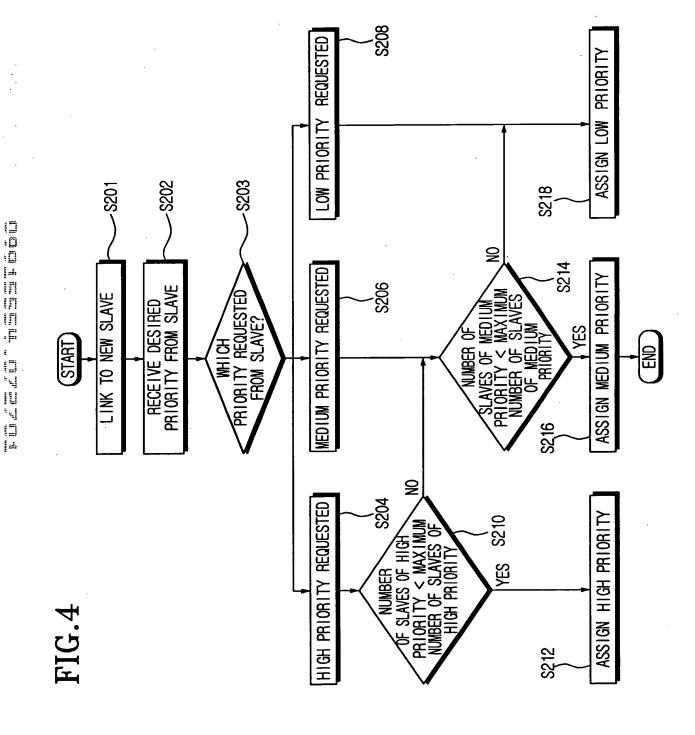


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FIG.3





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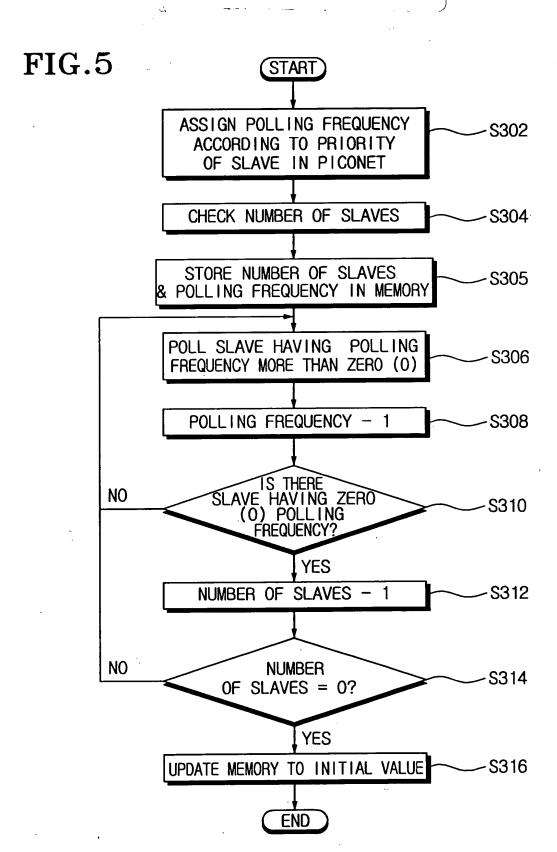
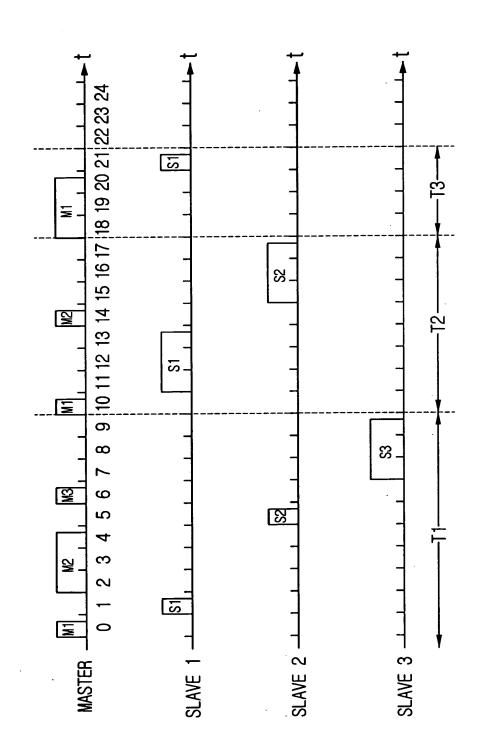


FIG.6



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## FIG.7

SLAVE	ASSIGNED PRIORITY	POLLING FREQUENCY			
		(t=0)	T1	T2	T3
SLAVE 1	HIGH	3	3→2	2→1	1→0
SLAVE 2	MEDIUM	2	2→1	1→0	•
SLAVE 3	LOW	1	1→0	•	•
COUNT (NUMBER OF SLAVES)		3	2	1	0

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## FIG.8A

MAIN:

```
/* if new conn's request == high priority */
/* if number of high priority conn == 0 */
/* assign high priority as requested */
/* if number of medium priority conn <= 1 */</pre>
                                                                                                                                                                                 /* new conn's request == medium priority */
/* if number of medium priority conn <= 1 *
/* assign medium priority as requested */
/* otherwise, */
/* assign low priority */
                                                                                                                                           if new conn's request == low priority */
                                                                                                                                                                 /* assign low priority as requested */
                                                                                                                                                                                                                                                                                                                                                                                                                       /* assign medium priority instead */
                                                             if a new connection comes */
                                                                                                                                                                                                                                                                                                                                                                                                                                               otherwise, */
assign low priority */
                                                                                                                                                               P(num) = 1
else if (new_conn_prio_request == medium) /
if (num_of_med_prio <= 1)
P(num) = 2
else
P(num) = 1
P(num) = 1
                                                                                                                                                                                                                                                                                                                                      if (num_of_high_prio == 0)
P(num) = 3
else if (num_of_med_prio <= 1)
P(num) = 2</pre>
                                                                                                                                         if (new_conn_prio_request == low)
                                                                                                         DECIDE PRIORITY:
num = 0
count = 0
while (num >= 0)
if (new_conn ==1)
num = num + 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  P(num) = 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                  e se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  end
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            end
```

/\* if an existing connection exits \*/

if (current\_conn\_exit == 1)

num = num - 1

end

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## FIG.8B

```
POLLING:
   if (count = 0)
     for j=1:num
       p(j) = P(j)
     end
   end
   count = num
   for j=1:num
     if (p(j)>0)
      POLL CONNECTION i
      p(j) = p(j) - 1
    else
      count = count - 1
    end
  end
end /* while */
```

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